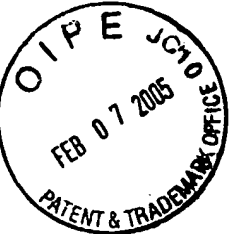


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Daddona, Peter
Ghrayeb, John
Knight, David
Siegel, Scott
Scallion, Bernard
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- <140>
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Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
35          40          45
Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
50          55          60
Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Thr His Thr Ile
65          70          75          80
Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
85          90          95
Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
100         105         110
Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
115         120         125
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gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc 96
Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
20          25          30

atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata 144
Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
35          40          45

aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc 192
Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
50          55          60

agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct 240
Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
65          70          75          80

gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc 288
Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe

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| | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|----|-----|
| | | | | 85 | | | | 90 | | | | 95 | |
| acg | ttc | ggc | tgc | ggg | aca | aat | ttg | gaa | gta | aaa | | | |
| Thr | Phe | Gly | Ser | Gly | Thr | Asn | Leu | Glu | Val | Lys | | | 321 |
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| 1 | | | | 5 | | | | | 10 | | | | | 15 | | |
| Glu | Arg | Val | Ser | Phe | Ser | Cys | Arg | Ala | Ser | Gln | Phe | Val | Gly | Ser | Ser | |
| | | | 20 | | | | | 25 | | | | | 30 | | | |
| Ile | His | Trp | Tyr | Gln | Gln | Arg | Thr | Asn | Gly | Ser | Pro | Arg | Leu | Leu | Ile | |
| | | 35 | | | | | 40 | | | | | 45 | | | | |
| Lys | Tyr | Ala | Ser | Glu | Ser | Met | Ser | Gly | Ile | Pro | Ser | Arg | Phe | Ser | Gly | |
| | 50 | | | | | 55 | | | | | 60 | | | | | |
| Ser | Gly | Ser | Gly | Thr | Asp | Phe | Thr | Leu | Ser | Ile | Asn | Thr | Val | Glu | Ser | |
| 65 | | | | | 70 | | | | | 75 | | | | 80 | | |
| Glu | Asp | Ile | Ala | Asp | Tyr | Tyr | Cys | Gln | Gln | Ser | His | Ser | Trp | Pro | Phe | |
| | | | | 85 | | | | | 90 | | | | | 95 | | |
| Thr | Phe | Gly | Ser | Gly | Thr | Asn | Leu | Glu | Val | Lys | | | | | | |
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| gaa | gtg | aag | ctt | gag | gag | tct | gga | gga | ggc | ttg | gtg | caa | cct | gga | gga | 48 | |
| Glu | Val | Lys | Leu | Glu | Glu | Ser | Gly | Gly | Gly | Leu | Val | Gln | Pro | Gly | Gly | | |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | | | |
| tcc | atg | aaa | ctc | tcc | tgt | gtt | gcc | tct | gga | ttc | att | ttc | agt | aac | cac | 96 | |
| Ser | Met | Lys | Leu | Ser | Cys | Val | Ala | Ser | Gly | Phe | Ile | Phe | Ser | Asn | His | | |
| | | | 20 | | | | | 25 | | | | | 30 | | | | |
| tgg | atg | aac | tgg | gtc | cgc | cag | tct | cca | gag | aag | ggg | ctt | gag | tgg | gtt | 144 | |
| Trp | Met | Asn | Trp | Val | Arg | Gln | Ser | Pro | Glu | Lys | Gly | Leu | Glu | Trp | Val | | |
| | | 35 | | | | | 40 | | | | | 45 | | | | | |
| gct | gaa | att | aga | tca | aaa | tct | att | aat | tct | gca | aca | cat | tat | gcg | gag | 192 | |
| Ala | Glu | Ile | Arg | Ser | Lys | Ser | Ile | Asn | Ser | Ala | Thr | His | Tyr | Ala | Glu | | |
| | 50 | | | | | 55 | | | | | 60 | | | | | | |
| tct | gtg | aaa | ggg | agg | ttc | acc | atc | tca | aga | gat | gat | tcc | aaa | agt | gct | 240 | |
| Ser | Val | Lys | Gly | Arg | Phe | Thr | Ile | Ser | Arg | Asp | Asp | Ser | Lys | Ser | Ala | | |

| 65 | 70 | 75 | 80 | |
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| gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat | | | | 288 |
| Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr | | | | |
| | 85 | 90 | 95 | |
| tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa | | | | 336 |
| Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln | | | | |
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| ggc acc act ctc aca gtc tcc | | | | 357 |
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 20 25 30
 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
 50 55 60
 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
 65 70 75 80
 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
 85 90 95
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 100 105 110
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